REMEDIATION SYSTEM EVALUATION REPORT APRIL THROUGH JUNE 2010 FORMER GENERAL MOTORS CORPORATION ALLISON GAS TURBINE DIVISION, PLANT 10 700 NORTH OLIN AVENUE INDIANAPOLIS, INDIANA IDEM VRP #6991004 KERAMIDA PROJECT NO. 2829E

ATTACHMENT 5 May 2010 - Groundwater Sample Information Sheets

GROUNDWATERSAM	
zility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- /69- D	Well Location:
Sample I.D.: With July D	
Total depth of well (TD) Depth to product	ft Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other
Conventional sampling ←OR⇒	Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* Well volume = H x CV gal Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Performed Range Range (3 min) (6 min) Temperature (°C) +/- 3% (4.69 14.79) Spec. Cond (μmhos) +/- 3% (906 190) D.O. (mg/L) +/- 10%** (42 139) pH +/- 0.1 7.52 7.52 ORP (mV) +/- 10 mV** 2 4 139 Turbidity (NTU) +/- 10%** H ₂ S (mg/L) Fe ²⁺ (mg/L) Check stability after three readings and every reading **Only one of these parameters must reach stability. Observations: Volume of water purged from well: N/A gallons Sample Date: 5 / 19 / 10 Sample Was metals sample filtered prior to preservation?	(9 min) (12 min) (15 min) (18 min) (21 min) (9 14.72
Color of water before filtration: NA After for Reaction upon addition of preservatives? YES Appearance of Water: (Clear Slightly Turbid/Turbid/Well condition: Need New Covers 'New Page	NO) explain: $\nu(R)$ [/Very Turbid)

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 169-5	Well Location:
Jumpie I.Z.: 121 14	
Monitoring Well Data Well Material (PVC/SS/TIME) Inside Diameter, in. (3/4 1 2/2) Stick up or stick down height Total depth of well (TD) 23 2/2 Depth to product Depth to water (DTW) 20,000	4 6) Grab/Composite ft Split Sample
Conventional sampling ←OR	R⇒ Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (R = bailer P = pump) B / P	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console I' dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Performed Range (3 min) (5 · l · · · · · · · · · · · · · · · · ·	Result Result<
Check stability after three readings and every rea **Only one of these parameters must reach stability one of these parameters must reach stability one of water purged from well: Volume of water purged from well: V A gains	llons nple Time: // : OO (military time) ? YES O method: 0.45 µm cartridge / other: ter filtration: \(\text{\text{\text{\$\sigma}}} \) explain: \(\text{\text{\$\sigma}} \)

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 167-1)	Well Location:
Sample i.D.: 11x11 / 6 t 1	
Total depth of well (TD) Depth to product 32,65	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample ft Duplicate (Duplicate ID: (Do-o) ft MS/MSD ft Other
Conventional sampling ←OR⇒	Micropurge sampling
Conventional sampling Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV 3 Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console 29.65 ft (Y) N (Y) N
Performed Range (3 min) (6 min) Temperature (°C) +/- 3% 1537 15.2 Spec. Cond (μmhos) +/- 3% 84/ 84/ D.O. (mg/L) +/- 10%** 32 29 pH +/- 0.1 7.66 7.65 ORP (mV) +/- 10 mV** 125 1/9 Turbidity (NTU) +/- 10%** — — Fe ²⁺ (mg/L) — — —	n) (9 min) (12 min) (15 min) (18 min) (21 min) f
Check stability after three readings and every reading **Only one of these parameters must reach stability. Observations: Volume of water purged from well: gallons Sample Date: / 19 / 18	Time: //: 30 (military time) YES NO method: 0.45 μm cartridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 167-S	Well Location:
Sample 1.D., With 107	
Total depth of well (TD) Depth to product	Sample Types (circle all applicable) Monitoring Well Grab/Composite ft Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other
Conventional sampling ←OR⇒	Micropurge sampling
Conventional sampling ←OR⇒ Height of water column (H = TD – DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) B / P *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console S \ S \ ft
Performed Range (3 min) (6 min) Temperature (°C) +/- 3% i/4.40 i/4.40 Spec. Cond (μmhos) +/- 3% i/4.6ξ i/4.5 D.O. (mg/L) +/- 10%** i/4.2 i/4.0 pH +/- 0.1 i/4.2 i/4.0 ORP (mV) +/- 10 mV** i/4.0 i/4.0 Turbidity (NTU) +/- 10%** i/4.0 i/4.0 H ₂ S (mg/L) Fe ²⁺ (mg/L) i/4.0 i/4.0	n) (9 min) (12 min) (15 min) (18 min) (21 min) 14.45 1.70
Was metals sample filtered prior to preservation?	Time: <u>/2</u> : <u>O</u> (military time) YES NO method: 0.45 μm cartridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 165-5	Well Location:
Sample i.D.: 14147 / 103	
Monitoring Well Data Well Material (PVC/SS/Teflor Inside Diameter, in. (3/4 1 2 4 6) Stick up or stick down height Total depth of well (TD) /9.60 Depth to product Depth to water (DTW) /3.95	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other
Conventional sampling ←OR⇒	Micropurge sampling
Conventional sampling ←OR⇒ Height of water column (H = TD – DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) B / P *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console // .60 ft // N Y N Lape mL/min #
Performed Range (3 min) (6 min) (7 min) (6 min) (7 mi	(in) (9 min) (12 min) (15 min) (18 min) (21 min) (21 min) (10.0)
Observations:	Time: 19: 20 (military time) YES NO method: 0.45 μm cartridge / other: iltration: ν[Δ NO explain: ν[Α

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 165-0	Well Location:
Sample I.D., MIW /65	
Monitoring Well Data Well Material (PVC/SS/Teflo Inside Diameter, in. (3/4 1 2 4 6) Stick up or stick down height Total depth of well (TD) 46.45 Depth to product Depth to water (DTW) /3.55	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD Gther
· · · · · · · · · · · · · · · · · · ·	Micropurge sampling
Conventional sampling Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = Up number from controller console # # # # # Depth of pump placement # # # # # # # # # # # # #
PerformedRange (3 min) (6 min) Temperature (°C) $+/-3\%$ 7.89 9.5 Spec. Cond (μ mhos) $+/-3\%$ $1.31/$ $1.32/$ D.O. (mg/L) $+/-10\%**$ -7.5% 7.5% pH $+/-0.1$ 7.5% 7.5% ORP (mV) $+/-10 \text{ mV}**$ $-/-10\%**$ Turbidity (NTU) $+/-10\%**$ $-/-10\%**$ H2S (mg/L) $-/-10\%**$ $-/-10\%**$ Check stability after three readings and every reach stability	in) (9 min) (12 min) (15 min) (18 min) (21 min) 7
Was metals sample filtered prior to preservation?	s Time: /3 : 00 (military time) YES NO method: 0.45 μm cartridge / other:

;ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 166- D	Well Location:
Sample I.D.: IVIVI- 7 66 1	
Monitoring Well Data Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) MONITORING (PVC/SS/Teflo (PVC/SS/Teflo (2/4 1 2 4 6)) (3/4 1 2 4 6) (3/4 1 2 4 6) (3/4 1 2 4 6) (4/60)	ft Grab/Composite Split Sample
Conventional sampling ←OR⇒	Micropurge sampling
Conventional sampling Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV 3 Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console # # # # # # # # # # # # #
PerformedRange (3 min) (6 min) Temperature (°C) $+/-3\%$ 14.87 14.87 Spec. Cond (μ mhos) $+/-3\%$ $.71b$ $.71\%$ D.O. (mg/L) $+/-10\%**$ 194 $.86$ pH $+/-0.1$ 7.84 7.84 ORP (mV) $+/-10 \text{ mV**}$ $5b$ 47 Turbidity (NTU) $+/-10\%**$ $-/-10\%**$ H ₂ S (mg/L) $-/-10\%**$ $-/-10\%**$ Check stability after three readings and every reading	in) (9 min) (12 min) (15 min) (18 min) (21 min) 19.65 17.65 7.83 46 g thereafter until achieved.
**Only one of these parameters must reach stability. Observations: Volume of water purged from well: Sample Date: 19 10	s Time: <u>/4</u> : <u>00</u> (military time) YES No method: 0.45 μm cartridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 166-5	Well Location:
Sample I.D., MIN 766	
Monitoring Well Data Well Material (PVC/SS/Teflor Inside Diameter, in. (3/4 1 2 4 6) Stick up or stick down height Total depth of well (TD) /9.00 Depth to product Depth to water (DTW) /4.83	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD Other
OP a	Micropurge sampling
Conventional sampling ←OR⇒ Height of water column (H = TD – DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) B / P *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console Coo ft
reld Test(s) Stability Result Result <th< td=""><td>(n) (9 min) (12 min) (15 min) (18 min) (21 min) (3 14.49 (44 (50) (44) (50) (43) (42) (42) (42) (43) (44) (44) (45) (46) (47) (48) (4</td></th<>	(n) (9 min) (12 min) (15 min) (18 min) (21 min) (3 14.49 (44 (50) (44) (50) (43) (42) (42) (42) (43) (44) (44) (45) (46) (47) (48) (4
Was metals sample filtered prior to preservation?	Time: <u>I (</u> : <u>30</u> (military time) YES NO method: 0.45 μm cartridge / other:

GK.	01(1) (111111111111111111111111111111111			
ility Name: GP – Former A	Allison Plant 10	KEI Project #: 28	329E	
Sample I.D.: MW-147-48		Well Location:		
Sample I.B.: WW / / AR				
Monitoring Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW)	PVC/SS/Tefl (3/4 1 2 4 6) 28.60	on) Monitorii) Grab/Con ft Split Sam	ng Well mposite nple e (Duplicate ID: _	le all applicable)
Conventional sampli	ng ←OR⇒		Micropurge sam	pling
Height of water column (H = TD - DTW) Conversion value (CV)* x 1 Well volume = H x CV = 3 Well volumes = = Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0	ft gal gal	Depth of pump pla (place mid-scre Bubbles purged fr Is drawdown >0.3 Was passive samp Flowrate =	een) rom flow cell? 8 feet pling used? controller console	25.60 ft (Y/N (Y/N Y(N) 1gpm mL/min # 5, 6" dia = 1.47
Performed Ran	ge (3 min) (6 r)	$\frac{\text{min}}{\text{min}} \frac{\text{9 min}}{\text{(12 I)}}$	sult Result min) (15 min)	Result (18 min) (21 min)
Temperature (°C) +/- Ω Spec. Cond (μmhos) +/- Ω	3% <u>1.339</u> <u>1.3</u>	554 <u>1.335</u>		
D.O. (mg/L) +/- 10	, 0	7.52		
PII			1	
014				
$H_2S (mg/L)$ $F_2^{2+} (mg/L)$				
Check stability after three read **Only one of these paramete	lings and every readings must reach stability	ng thereafter until ac.	hieved.	
Observations: Volume of water purged from Sample Date: 7/20/12 Was metals sample filtered purged from Color of water before filtration Reaction upon addition of present Appearance of Water: (Clear Well condition: 96	ior to preservation? n: UA After servatives? YES	YES NO met filtration: U/A	_(military time) thod: 0.45 μm car	tridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E		
Sample I.D.: MW-/32 R	Well Location:		
Sample I.D.: WWW-//2-			
Monitoring Well Data Well Material (PVC/SS/Teflor Inside Diameter, in. (3/4 1 2 4 6) Stick up or stick down height Total depth of well (TD) (19.00) Depth to product Depth to water (DTW) (9.5) Conventional sampling ←OR⇒ Height of water column (H = TD - DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = gal Purge method	Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD Other Micropurge sampling Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate =		
*Conversion values (gal/ft): 0.75 " dia = 0.023 , 1" dia	$a = 0.04, 2^{\circ}$ dia = 0.16, 4 dia - 0.05, 6 dia - 1.47		
PerformedRangeRangeResultResultTemperature (°C) $+/-3\%$ $i4.25$ $i4.25$ Spec. Cond (µmhos) $+/-3\%$ $i9.73$ $i9.78$ D.O. (mg/L) $+/-10\%**$ 1.52 $i.42$ pH $+/-0.1$ 7.65 7.65 ORP (mV) $+/-10mV**$ $4/9$ 57 Turbidity (NTU) $+/-10\%**$ $$ H_2S (mg/L) $$ $$ Charlest stability ofter three readings and every reading			
Check stability after three readings and every reading thereafter until achieved. **Only one of these parameters must reach stability.			
Observations: Volume of water purged from well: N/A gallons Sample Date: 5/20/10 Sample Was metals sample filtered prior to preservation? Color of water before filtration: N/A After filtration upon addition of preservatives? YES Appearance of Water: (Clear/8lightly Turbid/Turbid Well condition: OC	YES NO method: 0.45 µm cartridge / other: iltration: N/A NO explain: N/A		

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 148 R	Well Location:
Sample i.b.: Will 770 K	
Total depth of well (TD) Depth to product	Sample Types (circle all applicable) Monitoring Well Grab/Composite ft Split Sample Duplicate (Duplicate ID:) ft MS/MSD Other
Conventional sampling ←OR⇒	Micropurge sampling
Conventional sampling ←OR⇒ Height of water column (H = TD - DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) B / P *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console 21. 45 6/N 27/N Y /G pm mL/min #
Conversion variety (gazine).	
PerformedRange <td>n) (9 min) (12 min) (15 min) (18 min) (21 min) 13,20 1,227 1,53 7,53 1,53 1,54 </td>	n) (9 min) (12 min) (15 min) (18 min) (21 min) 13,20 1,227 1,53 7,53 1,53 1,54
**Only one of these parameters must reach stability. Observations: Volume of water purged from well: Sample Date: 5/20/10 Sample Was metals sample filtered prior to preservation? Color of water before filtration: Reaction upon addition of preservatives? Appearance of Water: (Clear/Slightly Turbid/Turbid Well condition: OK Signature:	YES NO method: 0.45 µm cartridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 153	Well Location:
Sample i.b With 192	
Monitoring Well Data Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Monitoring Well Data (PVC/SS/Tefl (3/4 1 2 4 6) 2 0.7/ 2 0.7/ / 2.52	
Conventional sampling ←OR⇒	Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate =
Performed Range (3 min) (6 r) Temperature (°C) +/- 3% i2.76 /2.8 Spec. Cond (μmhos) +/- 3% /(000) 1.00 D.O. (mg/L) +/- 10%** 3.38 3.3 pH +/- 0.1 7.86 7.8 ORP (mV) +/- 10 mV** / 76 ////////////////////////////////////	ng thereafter until achieved.
**Only one of these parameters must reach stability Observations: Volume of water purged from well: Sample Date: Was metals sample filtered prior to preservation?	ns le Time: 10 : 30 (military time) YES NO method: 0.45 µm cartridge / other: filtration: VA NO explain: NA

. acility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 302	Well Location:
Monitoring Well Data Well Material (PVC/SS/Teflot Inside Diameter, in. (3/4 1 2 4 6) Stick up or stick down height Total depth of well (TD) 37.7 5 Depth to product	2000-0000000000000000000000000000000000
Depth to water (DTW) /3.5/	It Other
Conventional sampling Height of water column (H = TD - DTW) Conversion value (CV)* Well volume = H x CV gal Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Micropurge sampling Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Field Test(s) Stability Result (3 min) Result (6 m) Performed Range (3 min) (6 m) Temperature (°C) +/- 3% /3.53 /3.53 Spec. Cond (μmhos) +/- 3% /606 /606 D.O. (mg/L) +/- 10%** /-5/ /-33 pH +/- 0.1 8.07 8-0k ORP (mV) +/- 10 mV** /80 /79 Turbidity (NTU) +/- 10%**	in) (9 min) (12 min) (15 min) (18 min) (21 min) 4 1354 7 ,605 1.29 8.05 179
**Only one of these parameters must reach stability. Observations: Volume of water purged from well: NA gallons Sample Date: 5 20/0 Sample Was metals sample filtered prior to preservation? Color of water before filtration: NA After filtration upon addition of preservatives? YES Appearance of Water: (Clear/Slightly Turbid/Turbid Well condition: A Signature: Signature: A Signature: A Signature: A Signature of Water: Well condition: A Signature: A Signature of Water: Well condition: A Signature: A Signature of Water: A Signature of Water of Wat	Time: <u>N</u> : <u>DD</u> (military time) YES NO method: 0.45 μm cartridge / other: Itration: <u>NA</u> explain: <u>NA</u>

zility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW-/33-R	Well Location:
Sample I.D.: IVIW-/937	
Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Monitoring Well Data (PVC/SS/Teflor (3/4 1 2 4 6) (3/4 1 2 4 6) (5.90) 9.56	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD ft Other
on on	Micropurge sampling
Conventional sampling Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV 3 Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console # In pumple of pump placement 12 90
Performed Range Range Result Resul	in) (9 min) (12 min) (15 min) (18 min) (21 min) 12.70 ————————————————————————————————————
Was metals sample filtered prior to preservation?	Se Time: <u>II</u> : <u>3)</u> (military time) YES NO method: 0.45 μm cartridge / other:

ility Name: GP –	Former Allisor	n Plant 10	KEI Pro	ject #: 2829E	3		
Sample I.D.: MW-			Well Lo	cation:			
Dampie 12							
Moni	toring Well Da	ata		Sample	Types (cir	rcle all app	olicable)
Well Material	toring ((this)	(PVC/SS/Tefle	on)	Monitoring V			
Inside Diameter, in.	•	(3/4 1 2 4 6)		Grab/Compos	site		
Stick up or stick down	n height			Split Sample			
Total depth of well (T		18.61		Duplicate (Du	aplicate ID:		
Depth to product		70		MS/MSD	•		
Depth to water (DTW	`	/3:78	ft	Other			
Depth to water (DT 11		12:10					
Conventiona	Leampling	⇒OR⇒		Micr	opurge sai	mpling	
			Depth of	pump placem		<u> </u>	
Height of water colun	.111	ft		mid-screen)		15.	61 ft
(H = TD - DTW)	/)* *		· · ·	purged from f	low cell?		Ý/N
Conversion value (CV			1	own >0.3 feet			(Y)/ N
1 Well volume = H x	=	gal		sive sampling			Y /M)
3 Well volumes =	***************************************	gal	Flowrate		abou.	1000	
Purge method	mp) B/P			er from contro	oller consol	e #/gpm	
(B = bailer, P = pu *Conversion values (g			ia = 0.04 2	$\frac{\text{Ci Hom Collect}}{\text{Ci' dia}} = 0.16$	$\frac{31161 \text{ conset}}{4\text{"dia} = 0.6}$	55 6" dia =	1.47
*Conversion values (§	<u> </u>	1a = 0.023, 1	1a 0.07, 2				
11774(-)	Stability	Result Res	ult Resu	lt Result	Result	Result	Result
eld Test(s)	Range	$\frac{\text{Result}}{\text{(3 min)}} \frac{\text{Res}}{\text{(6 min)}}$			(15 min)	(18 min)	(21 min)
Performed Temperature (°C)	+/- 3%	14.85 14.83		11) (12 11111)	(12 11111)	7.5	
Spec. Cond (µmhos)	+/- 3%	549 .54		***************************************		Advantagement and the characteristic file of the con-	
D.O. (mg/L)	+/- 10%**	1.49 1.37		enteredado en en	***************************************		
pH	+/- 0.1	7.81 7.80					
ORP (mV)	+/- 10 mV**	229 229					
Turbidity (NTU)	+/- 10%**				***************************************		
$H_2S (mg/L)$	1070	***************************************	Marie Control of the				
Fe^{2+} (mg/L)		***************************************					
Check stability after the	oree readings a	nd every reading	thereafter	until achieve	d.		
**Only one of these p	arameters must	reach stability.					
omy one or wrote p		,					
Observations:							
Volume of water purg	ed from well:	N/A gallon	S				
Sample Date: 5/2		Sample	Time: /2	!: <i>OV</i> (mili	tary time)		
Was metals sample fil						rtridge / oth	ier:
Color of water before			iltration:	N/A.	·		
Reaction upon additio	n of preservativ	yes? YES	MO exp	lain: ~	A		
Appearance of Water:	(Clear/Slightl	y Tarbid/Turbic	Nery Turk	oid)			
Well condition: Ok				•			
	_ /			i	,		
signature:	Call		Da	te: <u> </u>	2/10		
				I_{\perp}	•		

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW-146	Well Location:
Sample I.D.: WW-170	
Total depth of well (TD) Depth to product	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD Other
Conventional sampling ←OR⇒	Micropurge sampling
Conventional sampling Height of water column (H = TD − DTW) Conversion value (CV)* 1 Well volume = H x CV 3 Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = Depth of pump placement 20.34 ft \(\infty \) \(\text{N} \) \(\frac{\infty}{\infty} \) \(\inf
PerformedRange (3 min) (6 min) Temperature (°C) $+/-3\%$ (3.47) (3.47) Spec. Cond (µmhos) $+/-3\%$ (6.72) (6.72) D.O. (mg/L) $+/-10\%**$ (6.72) (6.72) pH $+/-10\%**$ (6.72) (6.72) D.O. (mg/L) $+/-10\%**$ (6.72) (6.72) pH $+/-10\%**$ (6.72) (6.72) D.O. (mg/L) $+/-10\%**$ (6.72) (6.72) pH $+/-10\%**$ (6.72) (6.72) D.O. (mg/L) $+/-10\%**$ (6.72) (6.72) PH $+/-10\%**$ (6.72) (6.72) ORP (mV) $+/-10\%**$ (6.72) (6.72) Turbidity (NTU) $+/-10\%**$ (6.72) (6.72) H ₂ S (mg/L) $+/-10\%**$ (6.72) (6.72) Turbidity (NTU) $+/-10\%**$ (6.72) (6.72) H ₂ S (mg/L) (6.72) (6.72) (6.72) Theck stability after three readings and every reading stability after three parameters must reach stability.	in) (9 min) (12 min) (15 min) (18 min) (21 min) (3 /3.40
Observations: Volume of water purged from well: Sample Date: Was metals sample filtered prior to preservation?	ns e Time: /2 : 30 (military time) YES πo method: 0.45 μm cartridge / other: filtration: ν/4 ρο explain: ν/Α

ility Name: GP – Former All	ison Plant 10	KEI Project #: 2829E	
Sample I.D.: MW-10-12		Well Location:	
Sample i.B.: Will 70 / K			
Monitoring Wel	l Data	Sample Types (circ	cle all applicable)
Well Material	(PVC/SS/Teflo	The state of the s	
	(3/4 1 2 4 6)		
Inside Diameter, in.	(5/+12/10)	ft Split Sample	
Stick up or stick down height	18.45	ft Duplicate (Duplicate ID:)
Total depth of well (TD)		ft MS/MSD	
Depth to product	1416	- (
Depth to water (DTW)	14.68	ft Other	
		· · · · · · · · · · · · · · · · · · ·	7.
Conventional sampling		Micropurge san	ipling
Height of water column		Depth of pump placement	15 (
(H = TD - DTW)	ft	(place mid-screen)	15.65 ft
Conversion value $(CV)^*$ x		Bubbles purged from flow cell?	
1 Well volume = H x CV =	gal	Is drawdown >0.3 feet	<u> </u>
3 Well volumes = =	gal	Was passive sampling used?	Y /🐧
Purge method		Flowrate =	/gpm mL/min
(B = hailer P = numn)	3 / P	ID number from controller console	: #
*Conversion values (gal/ft): 0.75	$\frac{1}{5'' \text{ dia}} = 0.023, 1'' \text{ dia}$	a = 0.04, 2" dia = 0.16, 4" dia = 0.65	5, 6" dia = 1.47
Conversion varies (Surrey)			
.eld Test(s) Stability	y Result Resu	ılt Result <u>Result</u> <u>Result</u>	Result Result
Performed Range			(18 min) (21 min)
Temperature (°C) +/- 3%			
Spec. Cond (µmhos) +/- 3%			
D.O. (mg/L) +/- 10%*			
pH +/- 0.1	7.71 7.69		
ORP (mV) +/- 10 mV		5 245	
Turbidity (NTU) +/- 10%*			
$H_2S (mg/L)$	And the second s		
$Fe^{2+} (mg/L)$			
Check stability after three reading	as and every reading	thereafter until achieved.	
**Only one of these parameters r	nust reach stability.	, 	
Omy one of these parameters is	mast readir stability.		
Observations:			
Volume of water purged from we	alle Alla gallone		
	Sample	Time: <u>/3</u> : <u>00</u> (military time)	
Sample Date: 5/20/10 Was metals sample filtered prior			ridge / other:
Was metals sample intered prior	After fi		
Color of water before filtration:		No explain: N/A	
Reaction upon addition of preserv			
Appearance of Water: (Clear/Sli	gilly Throld/Tulbld	rely fullifier	
Well condition: OK	2		
\sim	/m	Date: 5/20/10	
Signature:		Datc	

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
	Well Location:
Sample I.D.: MW- 150	
Total depth of well (TD) Depth to product 78.75	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) ft MS/MSD ft Other
, OP-	Micropurge sampling
Conventional sampling Height of water column (H = TD - DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console // Spm mL/min #
(B = bailer, P = pump) B / P *Conversion values (gal/ft): 0.75" dia = 0.023, 1" di	a = 0.04. 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
*Conversion values (gai/it). 0.75 dia = 0.025, 1 di	
PerformedRangeResultResultTemperature (°C) $+/-3\%$ 13.47 13.97 Spec. Cond (µmhos) $+/-3\%$ 176 176 D.O. (mg/L) $+/-10\%**$ 1.60 1.60 pH $+/-0.1$ 1.60 1.60 ORP (mV) $+/-10 \text{ mV}**$ 1.60 1.60 Turbidity (NTU) $+/-10\%**$ 1.60 1.60 H2S (mg/L) 1.60 1.60 1.60 Fe²+ (mg/L) 1.60 1.60 1.60 Check stability after three readings and every reading **Only one of these parameters must reach stability.	(in) (9 min) (12 min) (15 min) (18 min) (21 min) (16 13.44 13.42
Observations: Volume of water purged from well: Sample Date: Sample Was metals sample filtered prior to preservation? Color of water before filtration: Reaction upon addition of preservatives? Appearance of Water: Well condition: Signature: Well condition:	YES NO method: 0.45 μm cartridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- Iw- 2 I Iw-2	Well Location:
Sample I.D., WW I I W Z Z Z Z Z	
Monitoring Well Data Well Material (PVC/SS/Teflor Inside Diameter, in. (3/4 1 2 4 6) Stick up or stick down height Total depth of well (TD) /4.8-5 Depth to product Depth to water (DTW) /3.00 /4.27(55)	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD Other
Conventional sampling ←OR⇒	Micropurge sampling
Conventional sampling ←OR⇒ Height of water column (H = TD – DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) B / P *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console //.f5 ft //.f5 ft /// // // // // // // // /
COMPARISON	D 1/
PerformedRange(3 min)(6 min)Temperature (°C)+/- 3%j3.60l336Spec. Cond (μmhos)+/- 3%.660.66D.O. (mg/L)+/- 10%**/.67l.57pH+/- 0.17.837.50ORP (mV)+/- 10 mV**2.592.56Turbidity (NTU)+/- 10%**	(1) (9 min) (12 min) (15 min) (18 min) (21 min) (17.22 (17.24 (17
Observations: Volume of water purged from well: NA gallons Sample Date: 5/20/10 Sample Was metals sample filtered prior to preservation? Color of water before filtration: NA After fi Reaction upon addition of preservatives? YES Appearance of Water: (Clear/Slightly Turbid/Turbid Well condition: OC	YES NO method: 0.45 µm cartridge / other:

ility Name: GP - Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW-TW-ZI	Well Location:
Dampie I.D., Turn	
Monitoring Well Data Well Material (PVC/SS/Teflo Inside Diameter, in. (3/4 1 2 4 6) Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Monitoring Well Data (PVC/SS/Teflo (3/4 1 2 4 6) (1/2 7 4 6)	ft Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other
Conventional sampling ←OR⇒	Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown > 0.3 feet Was passive sampling used? Flowrate = ID number from controller console a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Performed Range (3 min) (6 m) Temperature (°C) +/- 3% /3/5 /3/5 Spec. Cond (μmhos) +/- 3% 895 .895 D.O. (mg/L) +/- 10%** .47 .40 pH +/- 0.1 7.37 7.36 ORP (mV) +/- 10 mV** -7 -/8 Turbidity (NTU) +/- 10%**	in) (9 min) (12 min) (15 min) (18 min) (21 min) 2
Was metals sample filtered prior to preservation?	YES NO method: 0.45 µm cartridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 163	Well Location:
Sample i.D., 1111	
Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Monitoring Well Data (PVC/SS/Teflo (3/4 1 2 4 6) (3/4 1 2 4 6) (19.27)	Sample Types (circle all applicable) Monitoring Well Grab/Composite ft Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other
Conventional sampling ←OR⇒	Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV 3 Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Performed Range (3 min) (6 min) Temperature (°C) +/- 3% / 4.0b / 4.1b Spec. Cond (μmhos) +/- 3% 1.555 1.055 D.O. (mg/L) +/- 10%** 1.55 7.1b pH +/- 0.1 7.65 7.1b ORP (mV) +/- 10 mV** 49 47 Turbidity (NTU) +/- 10%** — — H ₂ S (mg/L) — — —	in) (9 min) (12 min) (15 min) (18 min) (21 min) 7
Was metals sample filtered prior to preservation?	s Time: /5 : 30 (military time) YES NO method: 0.45 μm cartridge / other: iltration: ν/Α χο explain: ν/Α

ility Name: GP – Former Allison Plant	10	KEI Project #: 2829E
Sample I.D.: MW- 173		Well Location:
Sample I.D.: WW - [13		
Inside Diameter, in. (3/ Stick up or stick down height Total depth of well (TD) 17 Depth to product Depth to water (DTW) /3 Conventional sampling Height of water column (H = TD - DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = gal Purge method	0.64 f f .50 f ∉OR⇒	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID: MS/MSD Other Micropurge sampling Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Performed Range (3 m) Temperature (°C) +/- 3% /2.29 Spec. Cond (µmhos) +/- 3% /2.29 D.O. (mg/L) +/- 10%** /72 pH +/- 0.1 7.72 ORP (mV) +/- 10 mV** /36 Turbidity (NTU) +/- 10%** H ₂ S (mg/L) Fe ²⁺ (mg/L) Check stability after three readings and every even for these parameters must reach sample Date: 5/20//0 Was metals sample filtered prior to preservations: Color of water before filtration: U/A Reaction upon addition of preservatives? Appearance of Water: (Clear/Slightly Tur Well condition: 0/K	ult Resultinn (6 mir 13, 24 3 16 4 16 5 7.77 136 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t Result Result Result Result Result (9 min) (12 min) (15 min) (18 min) (21 min) (3.23
signature: J. Justin		Date:

ility Name: GP - Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 156	Well Location:
Sample 1.D.: 14144 / J	
Total depth of well (TD) Depth to product	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD Other
Conventional sampling ←OR⇒	Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console /5.44 ft /// /// /// /// /// /// ///
Performed Range (3 min) (6 min) Temperature (°C) +/- 3% /2.4% /2.43 Spec. Cond (μmhos) +/- 3% /537 547 D.O. (mg/L) +/- 10%** 2.52 2.35 pH +/- 0.1 7.83 7.87 ORP (mV) +/- 10 mV** /72 /72 Turbidity (NTU) +/- 10%**	n) (9 min) (12 min) (15 min) (18 min) (21 min) /2.4/ /554 2.22 78/ /72 ————————————————————————————————
Check stability after three readings and every reading **Only one of these parameters must reach stability. Observations: Volume of water purged from well:	Time: 17 : 00 (military time) YES NO method: 0.45 μm cartridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 15	Well Location:
Sample I.D., INITY	
Monitoring Well Data Well Material (PVC/SS/Teflor Inside Diameter, in. (3/4 1 2 4 6) Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling ←OR⇒ Height of water column (H = TD – DTW) ft Conversion value (CV)* x 1 Well volume = H x CV = gal 3 Well volumes = gal Purge method	ft Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other Micropurge sampling Depth of pump placement (place mid-screen)
(B = bailer, P = pump) B/P	
*Conversion values (gal/ft): 0.75 " dia = 0.023 , 1" di	a = 0.04, 2 dia = 0.10, 4 dia = 0.03, 6 dia = 2.10
Performed Range (3 min) (6 min) Temperature (°C) +/- 3% ½ /3 ½ /6 Spec. Cond (μmhos) +/- 3% , ½ ½ ½ /½ D.O. (mg/L) +/- 10%** 2.30 2.44 pH +/- 0.1 7.75 7.73 ORP (mV) +/- 10 mV** 196 /97 Turbidity (NTU) +/- 10%** — — H ₂ S (mg/L) — — — Fe ²⁺ (mg/L) — — — Check stability after three readings and every reading **Only one of these parameters must reach stability.	in) (9 min) (12 min) (15 min) (18 min) (21 min) 72.09 72.09 73.77 76.77 77.77 77.77 78.77 79.77 79.78 79.79 79
Observations:	Time: 9 : 00 (military time) YES NO method: 0.45 μm cartridge / other:

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- 157	Well Location:
Sample i.D.: 14144 (2)	
Monitoring Well Data Well Material (PVC/SS/Text Inside Diameter, in. (3/4 1 2 4) Stick up or stick down height Total depth of well (TD) [77.15] Depth to product Depth to water (DTW) 12.2(
Conventional sampling ←OR=	→ Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = gal Purge method (D = heiler R = pump) R / P	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Performed Range (3 min) (6 Temperature (°C) +/- 3% /2.25 /2. Spec. Cond (μmhos) +/- 3% *δ04 *82	ing thereafter until achieved.
Observations: Volume of water purged from well:	ons ole Time: 9:30 (military time) YES NO method: 0.45 µm cartridge / other: r filtration: NA explain: NA

	20005
ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW- /64	Well Location:
Monitoring Well DataWell Material(PVC/SS/TeflorInside Diameter, in. $(3/4 \ 1 \ 2 \ 4 \ 6)$ Stick up or stick down height 24.95 Total depth of well (TD) 24.95 Depth to product 49.29 Depth to water (DTW) 49.29 Conventional samplingHeight of water column 49.29 Height of water column 49.29 Conversion value (CV)* 49.29 1 Well volume = H x CV 49.29 2 Well volumes = 49.29 49.29 2 Well volumes = 49.29 49.29 2 Purge method 49.29	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID: MS/MSD Other Micropurge sampling Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console Micropurge sampling Z/, 95 ft A/N Y/A/ /gp:// mL/min
(B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia eld Test(s) Stability Result Result Result (6 mi (6 mi (7 mi) (6 mi) (6 mi) (7 mi) (7 mi) (8 mi) (9 mi) (1 mi) (1 mi) (1 mi) (1 mi) (2 mi) (3 min) (4 mi) (4 mi) (5 mi) (5 mi) (6 mi) (6 mi) (7 mi) (7 mi) (8 mi) (9 mi)	Alt Result Result
Check stability after three readings and every reading **Only one of these parameters must reach stability. Observations:	s Time: 10:00 (military time) YES NO method: 0.45 µm cartridge / other: iltration: \(\nu / \text{A} \) \(\text{Q} \) explain: \(\nu / \text{A} \)

ility Name: GP – Former Allison Plant 10	KEI Project #: 2829E			
Sample I.D.: MW-160	Well Location:			
Sample i.b.: 14144				
Monitoring Well Data	Sample Types (circle all applicable)			
Well Material (PVC/SS/Tef.	The state of the s			
Inside Diameter, in. (3/4 1 2 4 6				
Stick up or stick down height	ft Split Sample			
Total depth of well (TD) /3.65	ft Duplicate (Duplicate ID:)			
10tal depail of Well (12)	ft MS/MSD			
Depth to product Depth to water (DTW) 4.00	ft Other			
Depth to water (DTW) 4.00				
OD-	Micropurge sampling			
Conventional sampling ←OR⇒	Depth of pump placement			
Height of water column	(place mid-screen) 10.65 ft			
$(H = TD - DTW) \qquad \qquad ft$	Bubbles purged from flow cell?			
Conversion value (CV)* x	Is drawdown >0.3 feet			
1 Well volume = H x CV = gal	15 674.74			
3 Well volumes = <u>gal</u>	vv as passive samping as			
Purge method	1 Townate			
(B = bailer, P = pump) B/P				
*Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	dia = 0.04, 2" $dia = 0.16$, 4" $dia = 0.65$, 6" $dia = 1.47$			
	Dayst Parent Parent			
clu l'est(s)	esult Result Result Result Result Result (21 min)			
	min) (9 min) (12 min) (15 min) (18 min) (21 min)			
Temperature (°C) +/- 3% 13.05 12.				
	146 1.46 1.40 1.450			
D.O. (mg/L) +/- 10%** 7.03 1.6	1.40 (138 1.35			
	7.76 7.74 7.73			
ORP (mV) +/- 10 mV** 128 12	7 128 128 124			
Turbidity (NTU) +/- 10%**				
$H_2S (mg/L)$				
Fe^{2+} (mg/L)				
Check stability after three readings and every reading	ng thereafter until achieved.			
**Only one of these parameters must reach stability	y.			
, <u>—</u>				
Observations:				
Volume of water purged from well: N/2 gallo	ons			
Sample Date: 5 /21/10 Sample	le Time: $\frac{D}{D}$: $\frac{3D}{D}$ (military time)			
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other:				
Color of water before filtration: ν (A After filtration: N/*				
Reaction upon addition of preservatives? YES NO explain: NA				
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)				
Well condition: OC	,			
signature:	Date: 5/2(10			

GD D Allicon Plant 10	KEI Project #: 2829E
ility Name: GP – Former Allison Plant 10	Well Location:
Sample I.D.: MW- 161	VY CIT ECCUTOR.
Monitoring Well Data Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Monitoring Well Data (PVC/SS/Teflo (3/4 1 2 4 6) 14.00 14.00	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) ft MS/MSD Other
Conventional sampling Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV 3 Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 0.75" dia = 0.023, 1" dia	Micropurge sampling Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
PerformedRange(3 min)(6 m)Temperature (°C)+/- 3%/0.6010.5Spec. Cond (μmhos)+/- 3%S575 4D.O. (mg/L)+/- 10%**2.572.7pH+/- 0.17.447.74ORP (mV)+/- 10 mV**142Turbidity (NTU)+/- 10%**142H ₂ S (mg/L)	in) (9 min) (12 min) (15 min) (18 min) (21 min) 7
Observations: Volume of water purged from well: NA gallon Sample Date: Sample Date: Nas metals sample filtered prior to preservation? Color of water before filtration: Reaction upon addition of preservatives? Appearance of Water: (Clear/Slightly Turbid/Turbid) Well condition: Signature:	YES NO method: 0.45 µm cartridge / other: